

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A reproducing apparatus for receiving contents data from a record medium or a transmission, the reproducing apparatus comprising:

 contents data receiving means for receiving contents data recorded on different record media respectively, said different record media including a plurality of optical media types;

 index picture generating means for retrieving a picture frame from the contents data, and generating an index picture corresponding to a television system of the record medium;

 index picture size converting means for converting the size of index pictures generated from contents data having different television systems to a uniform picture size, wherein the uniform picture size of the index picture is smaller than the picture frame size of the contents data, and

 wherein the index picture is selected by a user from among the contents data;

 selecting means for selecting an output type of the index picture for a display device;

 picture processing means for processing the index picture data according to the output type selected by said selecting means; and

display means for displaying, on the display device, the index picture formed by said picture processing means and a user generated comment associated with the index picture;

wherein index pictures generated from contents data having different television systems can be displayed together in respective picture frames having the same picture frame size,

wherein displaying positions of a plurality of index pictures can be varied without deterioration of a picture quality

wherein the index pictures generated from the contents data represent a plurality of markers of a program and the user generated comments associated with each of the plurality of markers represent a text description of the plurality of markers.

2. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein said picture processing means converts the component format of the index picture data.

3. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein said picture processing means has a mono-chrome data generating source and adds mono-chrome data generated by the mono-chrome data generating source to the picture frame of the index picture data in a frame shape.

4. (Previously Presented) The reproducing apparatus as set forth in claim 3, wherein said picture processing means adds the mono-chrome data to the picture frame of the index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

5. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein said picture processing means enlarges or reduces the picture frame size of the index picture data.

6. (Previously Presented) The reproducing apparatus as set forth in claim 5, wherein said picture processing means enlarges or reduces the picture frame size of the index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

7. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein the index picture data includes a first field and second field, and wherein data of one of the first field and the second field is not displayed.

8. (Canceled)

9. (Currently Amended) A reproducing method for receiving contents data from a record medium or a transmission, the reproducing method comprising the steps of:

receiving contents data recorded on different record media respectively, said different record media including a plurality of optical media types;

retrieving a picture frame from the contents data;

generating an index picture corresponding to a television system of the record medium;

converting the size of the index pictures generated from contents data having different television systems to a uniform picture size,

wherein the uniform picture size of the index picture is smaller than the picture frame size of the contents data, and

wherein the index picture is selected by a user from among the contents data;

selecting an output type of the index picture for a display device;

processing the index picture data according to the selected output type; and

displaying on the display device the index picture formed by processing the index picture data and a user generated comment associated with the index picture;

wherein index pictures generated from contents data having different television systems can be displayed together in respective picture frames having the same picture frame size; and

wherein displaying positions of a plurality of index pictures can be varied without deterioration of a picture quality

wherein the index pictures generated from the contents data represent a plurality of markers of a program and the user generated comments associated with each of the plurality of markers represent a text description of the plurality of markers.

10. (Previously Presented) The reproducing method as set forth in claim 9, wherein processing the index picture data includes converting the component format of the index picture data.

11. (Previously Presented) The reproducing method as set forth in claim 9, wherein processing the index picture data includes adding mono-chrome data to the picture frame of the index picture data in a frame shape.

12. (Previously Presented) The reproducing method as set forth in claim 11, wherein processing the index picture data includes adding the mono-chrome data to the picture frame of the index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

13. (Previously Presented) The reproducing method as set forth in claim 9, wherein processing the index picture data includes enlarging or reducing the picture frame size of the index picture data.

14. (Previously Presented) The reproducing method as set forth in claim 13, wherein processing the index picture data includes enlarging or reducing the picture frame size of the index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

15. (Previously Presented) The reproducing method as set forth in claim 9, wherein the index picture data includes a first field and second field, and wherein data of one of the first field and the second field is not displayed.

16. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein the output type is selected from NTSC or PAL.

17. (Previously Presented) The reproducing method as set forth in claim 9, wherein the output type is selected from NTSC or PAL.

18. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein when an index picture is selected by a user, contents data corresponding to the selected index picture are reproduced.

19. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein index pictures of contents data which can be accessed by the contents data receiving means are displayed.

20. (Previously Presented) The reproducing apparatus as set forth in claim 1, wherein said different optical media types include a DVD video disc, a video CD, a CD-ROM, and a CD extra disc.

21. (Previously Presented) The reproducing method as set forth in claim 9, wherein said different optical media types include a DVD video disc, a video CD, a CD-ROM, and a CD extra disc.